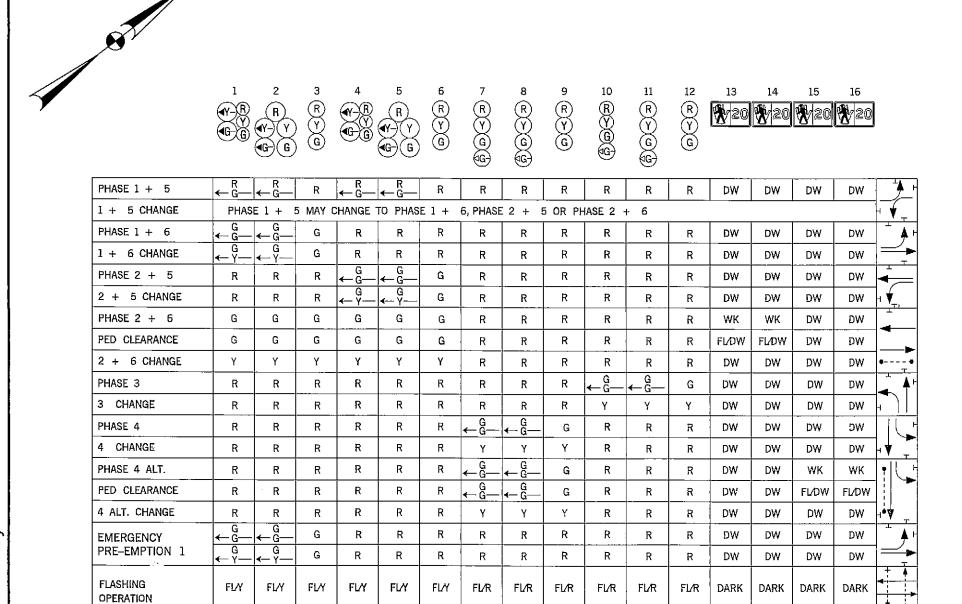
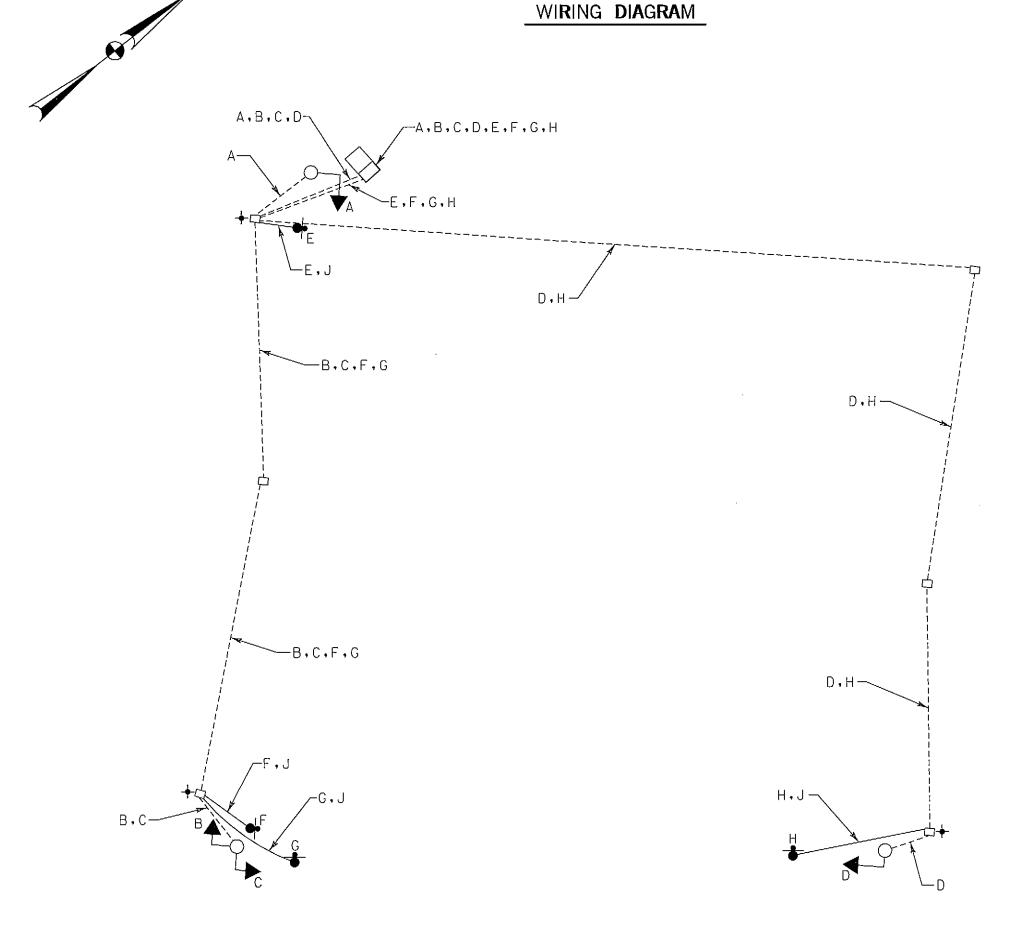
PROJECT DESCRIPTION EQUIPMENT LIST "B" EQUIPMENT LIST "A" GENERAL A. EQUIPMENT TO BE SUPPLIED BY THE SHA THIS PROJECT INVOLVES THE INSTALLATION OF APS (ACCESIBLE PEDESTRIAN SIGNALS)/CPS (COUNTDOWN B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR PEDESTRIAN SIGNALS) AND INSTALLATION OF ADA COMPLIANT CURB RAMPS AT THE INTERSECTION OF MD_170 (AVIATION BOULEVARD) AND ELKRIDGE LANDING ROAD/AIR CARGO DRIVE IN ANNE ARUNDEL COUNTY. ITEM NO. DESCRIPTION QUANTITY ITEM NO. QUANTITY DESCRIPTION MARYLAND, MD 170 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. 9571 SHEET ALUMINUM SIGNS TO CONSIST OF : 4 S.F. 2001 1 C.Y. CLASS 2 EXCAVATION R10-3(1) SIGN (9 IN. \times 15 IN.) TO READ "PUSHBUTTON TO CROSS AVIATOR BLVD" 2002 4 C.Y. TEST PIT EXCAVATION INTERSECTION OPERATION - 2 EACH R10-3(1) SIGN (9 IN, \times 15 IN,) TO READ "PUSHBUTTON 5002 90 L.F. 5 IN. HEAT APPLIED WHITE OR YELLOW PERMANENT PAVEMENT MARKINGS THE INTERSECTION OPERATION WILL REMAIN THE SAME. TO CROSS AIR CARGO DR" 5003 530 L.F. REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS 5004 480 L.F. 12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES TYPICAL MESSAGES FOR ACCESSIBLE PED SIGNALS 5005 40 L.F. 24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES MD 170 (AVIATION BOULEVARD) AND ELKRIDGE LANDING ROAD - SOUTH LEG STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH 6001 130 L.F. STREETS AT 90 DEGREES 6002 510 S.F. 5 INCH CONCRETE SIDEWALK WAIT: "-AIT TO CROSS AVIATION AT ELKRIDGE LANDING, WAIT." ** 6003 55 S.F. DETECTABLE WARNING SURFACE FOR CURB RAMPS WALK: RAPID TICK 8002 1 EACH 2-WIRE CENTRAL CONTROL UNIT MD 170 (AVIATION BOULEVARD) AND AIR CARGO DRIVE - SOUTH LEG 8008 AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION & SIGNS 4 EACH STREETS AT 90 DEGREES 8009 4 EACH BREAKAWAY PEDESTAL POLE (ANY SIZE) WAIT: "WAIT TO CROSS AVIATION AT AIR CARGO, WAIT." ** 8018 4 EACH LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD WALK: RAPID TICK 8043 80 L.F. UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED 8045 4 S.F. INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING AIR CARGO DRIVE AND MD 170 (AVIATION BOULEVARD) - EAST LEG ALL HARDWARE) STREETS AT 90 DEGREES EQUIPMENT LIST "C" 8047 125 L.F. NO. 6 AWG STRANDED BARE COPPER GROUND WIRE WAIT: "WAIT TO CROSS AIR CARGO AT AVIATION, WAIT." ** 8058 830 L.F. ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA WALK: RAPID TICK 8060 875 L.F. ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) NONE * MESSAGE USED IF DISTANCE FROM NEAREST PUSHBUTTON FOR PERPENDICULAR CROSSING IS < 10' ** MESSAGE USED IF CROSSWALK DIVERGES FROM OR CONVERGES WITH PARALLEL TRAFFIC NOTE: MESSAGES FOR INTERSECTION CONFIGURATIONS, VARYING FROM THE ABOVE ARE TO BE APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY. MAINTENANCE OF TRAFFIC THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT. ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER. CONTROLLER REQUIREMENTS STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.02-13 (INTERSECTION THE EXISTING BASE MOUNTED CABINET AND CONTROLLER WILL BE USED. THE CONTROLLER WILL BE RETROFITTED TO OPERATE APS EQUIPMENT. FLAGGING OPERATION) STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE) STANDARD NO. MD-104.04-13 (LEFT TURN BAY CLOSURE) WIRING DIAGRAM PROJECT CONTACTS THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS: MS. KIMBERLY TRAN ASSISTANT DISTRICT ENGINEER - TRAFFIC MR. MIKE HUBER DISTRICT UTILITY ENGINEER A,B,C,D~ PHDNE: (410) 841-1019 PHONE: (410) 841-1039 /--A,B,C,D,E,F,G,H MR. AVIJIT MAJI

ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (410) 841-1000

CHIEF, TRAFFIC OFERATIONS DIVISION PHONE: (410) 787-7630



PHASE CHART



TOD NO: XY139-03 SHA NO: AA189B53

WIRING KEY

5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

| STRANDED BARE COPPER | GROUND WIRE (MO. 6 A.W.G.)

+ - 3/4 IN. X 10 FT. GROUND ROD

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

(LINTHICUM HEIGHTS, MD)

MD 162, MD 170, MD 176 @ Various

MD 170 (AVIATION BOULEVARD) AT AIR CARGO DRIVE / ELKRIDGE LANDING ROAD

GENERAL INFORMATION SHEET



	DESIGNED B
WHITMAN DECHARDT	CHECKED B
WHITMAN, REQUARDT & ASSOCIATES, LLP	F.A.P. NO
801 South Caroline Street, Baltimore, Maryland 21231	TO NO 1007

SCALE NONE DATE FEBRUARY, 2013 CONTRACT NO. XY1395185

anne **ar**un**d**el LOGMILE TOD NO. TS NO. 1227F DRAWING TSP - 6 OF 33 SHEET NO. 6 OF 33

PLOTTED: February 08, 2013 FILE: N:\31669-237\CADD\pSG-TSP6_MD170_Elkridge.dgn